

# Model Name Explanation

## CPUs

### AS332T-A

AS	3	32		T		-	A
Series	Model	IO Pts. / Axis Qty.		Output Type / Motion Network			Type
	3: 300 2: 200 5 : 500 (Motion)	【200/300 CPU】 00: None 18: 18 pts. 20: 20 pts. 24: 24 pts. 28: 28 pts. 32: 32 pts.	【500 CPU】 16: 16 axes 24: 24 axes	【200/300 CPU】 N: None T: NPN P: PNP R: Relay MT: NPN+Diff.	【500 CPU】 C: CANopen E: EtherCAT	【300/500 CPU】 A: HDC terminal B: EU terminal	【200 CPU】 A: Basic

### AX-308EA0MA1T

AX-3	08	E	A0	MA1	T
Series	Axis Qty.	Motion Network	CPU Spec.	SYS Spec.	Output Type
CODESYS	08 : 8 axes	E : EtherCAT	A0 : Single core	MA1 : SoftMotion	T : NPN

## Digital I/O Modules

### AS08AM10N-A

AS	08	AM	1	0	N	-	A
Series	IO Pts.	Classification	Function		Output type		Type
	08: 8 Pts. 16: 16 Pts. 32: 32 Pts. 64: 64 Pts.	AM: Digital input AN: Digital output AP: Digital input/output	0: No input 1: DC input (24 V)	0: No output 1: 0.5A transistor/2A relay output 2: 0.1A transistor output	N: No output T: NPN P: PNP R: Relay		A: Basic

## Analog I/O Modules

### AS04AD-A

AS	04	AD	-	A
Series	IO Channels	Classification		Type
	04: 4-channel 06: 6-channel 08: 8-channel	AD: Analog input DA: Analog output XA: Analog input/output		A: Voltage/Current B: Voltage C: Current

## Temperature & Load Cell Modules

### AS04RTD-A

AS	04	RTD	-	A
Series	IO Channels	Classification		Type
	02: 2-channel 04: 4-channel 06: 6-channel 08: 8-channel	RTD: Platinum resistance thermometer TC: Thermocouple LC: Load cell		A: Basic

## Function Cards

### AS-F232

AS	-	F	232
Series		Classification	Function
		F: Function card	232: RS-232 422: RS-422 485: RS-485 COPM: CANopen 2AD: 2-channel analog input 2DA: 2-channel analog output EN02: Ethernet PFN02: PROFINET OPC02 : OPC-UA

## Motion Control Modules

### AS02PU-A

AS	02	PU	-	A
Series	IO Channels	Classification		Type
	02: 2-channel 04: 4-channel	HC: High-speed counter PU: Pulse-train output		A: Basic

## Communication Modules

### AS00SCM-A

AS	00	SCM	-	A
Series	Function	Classification		Function
	00: Basement 01: Basic 04 : 4-CH	SCM: Serial DNET: DeviceNet SIL : IO-Link		A: Basic





## Power Supply Modules

### AS-PS02





AS	-	PS	02
Series		Classification	Function
		PS: Power supply	02: AC Input (100~240V) 02A: AC Input (100~240V) + DC Output (24V, 0.5A)





# I/O Modules

## ■ Digital Input Modules

				<p>Rated input voltage 5~24 V<sub>DC</sub></p> <p>Response time 1 ms</p> <p>Filter function 1~20 ms</p> <p>Screwless removable terminal block 8 / 16 inputs</p>
<b>8 inputs</b>	<b>16 inputs</b>	<b>32 inputs</b>	<b>64 inputs</b>	
Easy wiring terminal block	Easy wiring terminal block	High-density MIL terminal block	High-density MIL terminal block	
AS08AM10N-A	AS16AM10N-A	AS32AM10N-A	AS64AM10N-A	

## ■ Digital Output Modules

				<p>NPN (Sink) or PNP (Source) module</p> <p>Response time 1 ms (Transistor) 10ms (Relay)</p> <p>Screwless removable terminal block 8 / 16 outputs</p>
<b>8 outputs</b>	<b>8 outputs</b>	<b>8 outputs</b>	<b>32 outputs</b>	
Easy wiring terminal block Transistor output NPN (Sink)	Easy wiring terminal block Relay output	Easy wiring terminal block Transistor output PNP (Source)	High-density MIL terminal block Transistor output NPN (Sink)	
AS08AN01T-A	AS08AN01R-A	AS08AN01P-A	AS32AN02T-A	

			
<b>16 outputs</b>	<b>16 outputs</b>	<b>16 outputs</b>	<b>64 outputs</b>
Easy wiring terminal block Transistor output NPN (Sink)	Easy wiring terminal block Relay output	Easy wiring terminal block Transistor output PNP (Source)	High-density MIL terminal block Transistor output NPN (Sink)
AS16AN01T-A	AS16AN01R-A	AS16AN01P-A	AS64AN02T-A

## ■ Digital I/O Modules



**16 inputs / outputs**

Easy wiring terminal block  
8 inputs/8 transistor outputs  
NPN (Sink)

AS16AP11T-A

**16 inputs / outputs**

Easy wiring terminal block  
8 inputs  
8 relay outputs

AS16AP11R-A

**16 inputs / outputs**

Easy wiring terminal block  
8 inputs/8 transistor outputs  
PNP (Source)

AS16AP11P-A

NPN (Sink)  
or PNP (Source) module

Rated input voltage  
5~24 V<sub>DC</sub>

Filter function  
1~20 ms

Screwless removable  
terminal block

Response time  
1 ms (Transistor)  
10 ms (Relay)

## ■ Analog I/O Modules



**4 channels**

Analog input

AS04AD-A

**8 channels**

Analog input

AS08AD-B

**8 channels**

Analog input

AS08AD-C

**4 channels**

Analog output

AS04DA-A

**6 channels**

Analog input/output

AS06XA-A

Conversion time  
2 ms/channel

50/60 Hz filter

A: Voltage and current  
B: Voltage  
C: Current

Resolution  
AI: 16-bit  
AO: 12-bit

Accuracy ±0.2%

4/6/8 CHs

Module  
monitoring/configuration

Differential inputs

## ■ Load Cell Module



### Functions

50/60 Hz  
filter

High-speed  
dynamic  
measurement

2 channels of  
independent  
sampling

Accuracy 0.4%  
full range

2 CHs

Connectable to  
4-wire/6-wire  
load cell sensor

### Software

Filter function

Multi-point  
calibration

Online  
monitoring/  
configuration

**2 channels**

AS02LC-A

## ■ Pulse Unit Modules



**2 channels**

Differential  
AS02PU-A **New**

**4 channels**

Open Collector  
AS04PU-A **New**

Input:  
AS02PU: 200 kHz

Output:  
AS02PU: 200 kHz  
AS04PU: 100 kHz

Open  
Collector/Diff.

2/4 CHs

Support Motion  
APIs

## ■ High Speed Counter Module



**2 channels**

Open collector / Diff.  
AS02HC-A **New**

200 kHz

Incremental /  
Absolute (SSI)

Open  
Collector/Diff.

2 CHs

Compare /  
Capture

# I/O Modules

## ■ Temperature Measurement Modules



<b>4 channels</b>	<b>6 channels</b>
PT, NI temperature sensor	PT, NI temperature sensor
AS04RTD-A	AS06RTD-A

Conversion time 200ms/channel		Resolution 0.1°C/0.1°F	Wire breaking detection
Overall accuracy ±0.1%	50/60Hz filter	Module monitoring/configuration	4/6 CHs
Pt100/Ni100/Pt1000/Ni1000/JPt100/LG-Ni1000/Cu50/Cu100, resistor 0~300Ω, 0~3,000Ω			



<b>4 channels</b>	<b>8 channels</b>
TC temperature sensor	TC temperature sensor
AS04TC-A	AS08TC-A

Conversion time 200ms/channel		Resolution 0.1°C/0.1°F	Disconnection detection
Overall accuracy ±0.5%	50/60Hz filter	Module monitoring/configuration	4/8 CHs
J, K, R, S, T, E, N, B type thermocouple; ±100mV			

## ■ Communication Modules



<b>2 COM ports</b>
AS00SCM-A

<b>COM port</b>	RS-232C	RS-422	RS-485	CANopen
<b>Function</b>	Selectable COM ports; supports standard Modbus protocols and user-defined protocols			Delta communication protocol
<b>Software</b>	SCMSoft	Data exchange table for quick setup		Real-time monitoring on communication status



<b>DeviceNet</b>	<b>IO-Link</b>
AS01DNET-A	AS04SIL-A <b>New</b>

<b>COM port</b>	DeviceNet	IO-Link (4-CH)
<b>Function</b>	Master/Slave/RTU	Master
<b>Software</b>	DeviceNet Builder	HWCONFIG

# Ordering Information

## ■ Communication Modules

Name	Model	Communication Card Installation	Power Consumption (Internal)	Specifications	Certification
Communication Extension Module	AS00SCM-A	2	0.6W	<ul style="list-style-type: none"> <li>Serial communication: RS-232/RS-422/RS-485</li> <li>Provides CANopen communication interface for extension racks</li> </ul>	CE/UL
DeviceNet Communication Module	AS01DNET-A	-	0.8W	<ul style="list-style-type: none"> <li>DeviceNet protocol</li> <li>Master/Slave modes</li> <li>RTU function</li> </ul>	
IO-Link Module	<b>New</b> AS04SIL-A <sup>(*)</sup>		1.0W	<ul style="list-style-type: none"> <li>4 channels</li> <li>4.8/38.4/230.4 kbps</li> <li>Max. process data size: 32 bytes (channel)/128 bytes (module)</li> </ul>	

\*1: Please contact our distributors for release date

## ■ Digital I/O Modules

Name	Model	I/O	Signals	Terminal Block Type	Power Consumption (Internal)	Certification
Input Module	AS08AM10N-A	8	24 V <sub>DC</sub> 5 mA	Removable terminal block	0.72 W	CE/UL
	AS16AM10N-A	16			0.72 W	
	AS32AM10N-A	32		MIL	0.48 W	
	AS64AM10N-A	64			0.72 W	

Name	Model	I/O	Signals	Terminal Block Type	Power Consumption (Internal)	Specifications	Certification
Output Module	AS08AN01R-A	8	240 V <sub>AC</sub> 24 V <sub>DC</sub>	Removable terminal block	1.7 W	Relay	CE/UL
	AS16AN01R-A	16			3.4 W	Relay	
	AS08AN01T-A	8	5~30 V <sub>DC</sub> 0.5A		0.72 W	Transistor NPN (Sink)	
	AS08AN01P-A	8			1.4 W	Transistor PNP (Source)	
	AS16AN01T-A	16			1.4 W	Transistor NPN (Sink)	
	AS16AN01P-A	16			1.4 W	Transistor PNP (Source)	
	AS32AN02T-A	32	5~30 V <sub>DC</sub> 0.1A	MIL	0.72 W	Transistor NPN (Sink)	
	AS64AN02T-A	64			1.44 W	Transistor NPN (Sink)	

Name	Model	I/O	Signals		Terminal Block Type	Power Consumption (Internal)	Specifications	Certification
			Input	Output				
Input/Output Module	AS16AP11R-A	16 (8 inputs/8 outputs)	24 V <sub>DC</sub> 5 mA	240 V <sub>AC</sub> 24 V <sub>DC</sub> 2A	Removable terminal block	1.9 W	Relay	CE/UL
	AS16AP11T-A	16 (8 inputs/8 outputs)		5~30 V <sub>DC</sub> 0.5A		0.7 W	Transistor NPN (Sink)	
	AS16AP11P-A	16 (8 inputs/8 outputs)				0.7 W	Transistor PNP (Source)	

## ■ Analog I/O Modules

Name	Model	Channel	Mode	Terminal Block Type	Power Consumption (Internal)	Specifications	Certification
Analog Input Module	AS04AD-A	4	1~5V 0~5V -5~5V 0~10V -10~10V 4~20mA 0~20mA -20~20mA	Removable terminal block	1.2W/2.5W	<ul style="list-style-type: none"> <li>• Hardware resolution: 16-bit</li> <li>• Single channel on/off setting to enhance overall conversion efficiency</li> <li>• Conversion time: 2ms/channel</li> <li>• Disconnection detection mode: 1~5V/4~20mA</li> </ul>	CE/UL
	AS08AD-B	8	1~5V 0~5V -5~5V 0~10V -10~10V				
	AS08AD-C		4~20mA 0~20mA -20~20mA				
Analog Output Module	AS04DA-A	4	0~10V -10~10V 4~20mA 0~20mA		1.2W/3W	<ul style="list-style-type: none"> <li>• Hardware resolution: 12-bit</li> <li>• Single channel on/off setting</li> <li>• Conversion time: 250µs/channel</li> </ul>	
Analog Input/Output Module	AS06XA-A	Input: 4 Output: 2	<ul style="list-style-type: none"> <li>• Input: 1~5V, 0~5V, -5~5V, 0~10V, -10~10V, 4~20mA, 0~20mA, -20~20mA</li> <li>• Output: 0~10V, -10~10V, 4~20mA, 0~20mA</li> </ul>		1.2W/2.5W	<ul style="list-style-type: none"> <li>• Input resolution: 16-bit</li> <li>• Output resolution: 12-bit</li> <li>• Single channel on/off setting to enhance overall conversion efficiency</li> <li>• Conversion time: 2ms/channel</li> <li>• Disconnection detection mode: 1~5V/4~20mA</li> </ul>	

## Ordering Information

### Temperature Measurement Modules

Name	Model	Channel	Mode	Terminal Block Type	Power Consumption (Internal)	Specifications	Certification
RTD Temperature Measurement Module	AS04RTD-A	4	Pt100 Ni100 Pt1000 Ni1000 JPt100	Removable terminal block	2W/1W	<ul style="list-style-type: none"> <li>Resolution: 0.1°C/0.1°F</li> <li>Conversion time: 200ms/channel</li> <li>Overall accuracy: RTD: ±0.1% TC: ±0.5%</li> <li>Disconnection detection mode</li> <li>Module monitoring/setting/planning software</li> </ul>	CE/UL
	AS06RTD-A	6	LG-Ni1000 Cu50 Cu100  Input impedance 0~300Ω 0~3,000Ω				
Thermocouple Temperature Measurement Module	AS04TC-A	4	J,K,R,S, T,E,N,B -100~+100mV				
	AS08TC-A	8					

### Load Cell Module

Name	Model	Channel	Mode	Terminal Block Type	Power Consumption (Internal)	Specifications	Certification
Load Cell Module	AS02LC-A	2	0~1 0~2 0~4 0~6 0~20 0~40 0~80 mV/V	Removable terminal block	0.75W/3W	<ul style="list-style-type: none"> <li>Resolution: 24-bit for hardware (ADC), 32-bit for data output</li> <li>4-wire/6-wire load cell sensor</li> <li>Selectable signal input ranges</li> <li>LCSOFT software configuration</li> <li>High-speed dynamic measurement</li> <li>50/60Hz active filtering</li> </ul>	CE/UL



## ■ Motion Modules

Name	Model	Channel	Power Consumption (Internal)	Specifications	Certification
Pulse Unit Module	<b>New</b> AS02PU-A <sup>(*)</sup>	2	1.5W	<ul style="list-style-type: none"> <li>Differential</li> <li>Output: 200 kHz x 2; Input: 200 kHz x 1</li> <li>Motion APIs</li> </ul>	CE/UL
	<b>New</b> AS04PU-A <sup>(*)</sup>	4		<ul style="list-style-type: none"> <li>Open collector</li> <li>Output: 100 kHz x 4</li> <li>Motion APIs</li> </ul>	
High-speed Counter Module	<b>New</b> AS02HC-A <sup>(*)</sup>	2		<ul style="list-style-type: none"> <li>Open collector / Differential</li> <li>200 kHz</li> <li>Incremental / absolute (SSI)</li> </ul>	

Note 1: Please contact our distributors for release date

## ■ Function Cards

Name	Model	Channel	Specifications	Certification
Communication Card	AS-F232	1	Serial COM, RS-232 interface, slave/host mode	CE
	AS-F422	1	Serial COM, RS-422 interface, slave/host mode	
	AS-F485	1	Serial COM, RS-485 interface, slave/host mode	
	AS-FCOPM	1	<ul style="list-style-type: none"> <li>CANopen port, supports DS301, AS Series remote control or Delta servo motor control</li> <li>Built-in switchable terminal resistor (120 Ω)</li> </ul>	
	AS-FEN02	1	Ethernet port, RJ45 x2 (Switch function), supports EtherNet/IP (Adapter mode)/Modbus TCP	
	<b>New</b> AS-FPFN02 <sup>(*)</sup>	1	PROFINET port, RJ45 x2 (Switch function), supports PROFINET (Slave mode)	
	<b>New</b> AS-FOPC02 <sup>(*)</sup>	1	Ethernet port, RJ45 x2 (Switch function), supports OPC-UA (Server mode)/Modbus TCP	
Analog I/O Card	AS-F2AD	2	2-channel analog input 0~10V (12-bit resolution), 4~20 mA (11-bit resolution), conversion time: 3 ms/channel	
	AS-F2DA	2	2-channel analog Output 0~10V, 4~20 mA (12-bit resolution), conversion time: 2 ms/channel	

Note 1: Please contact our distributors for release date